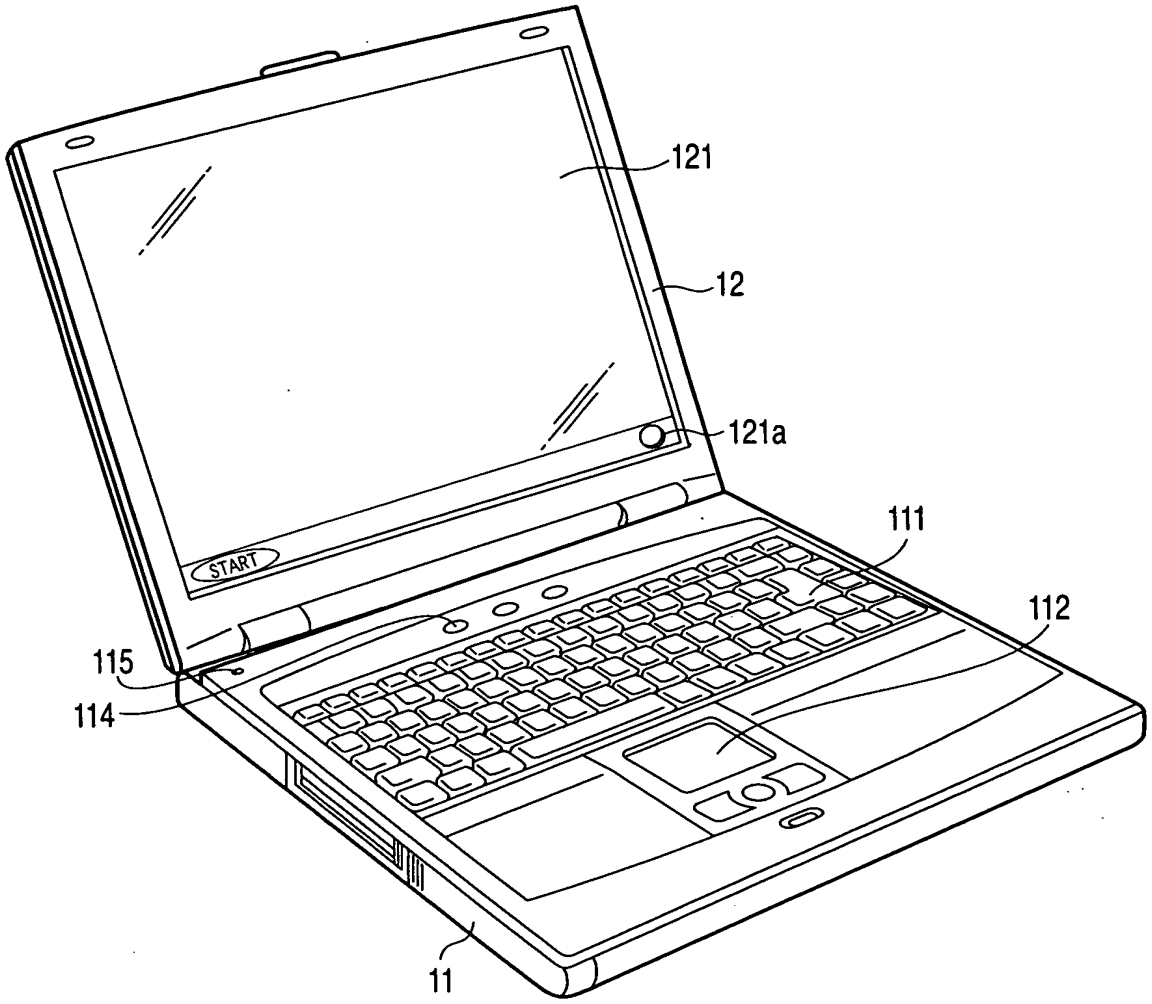

FIG. 1

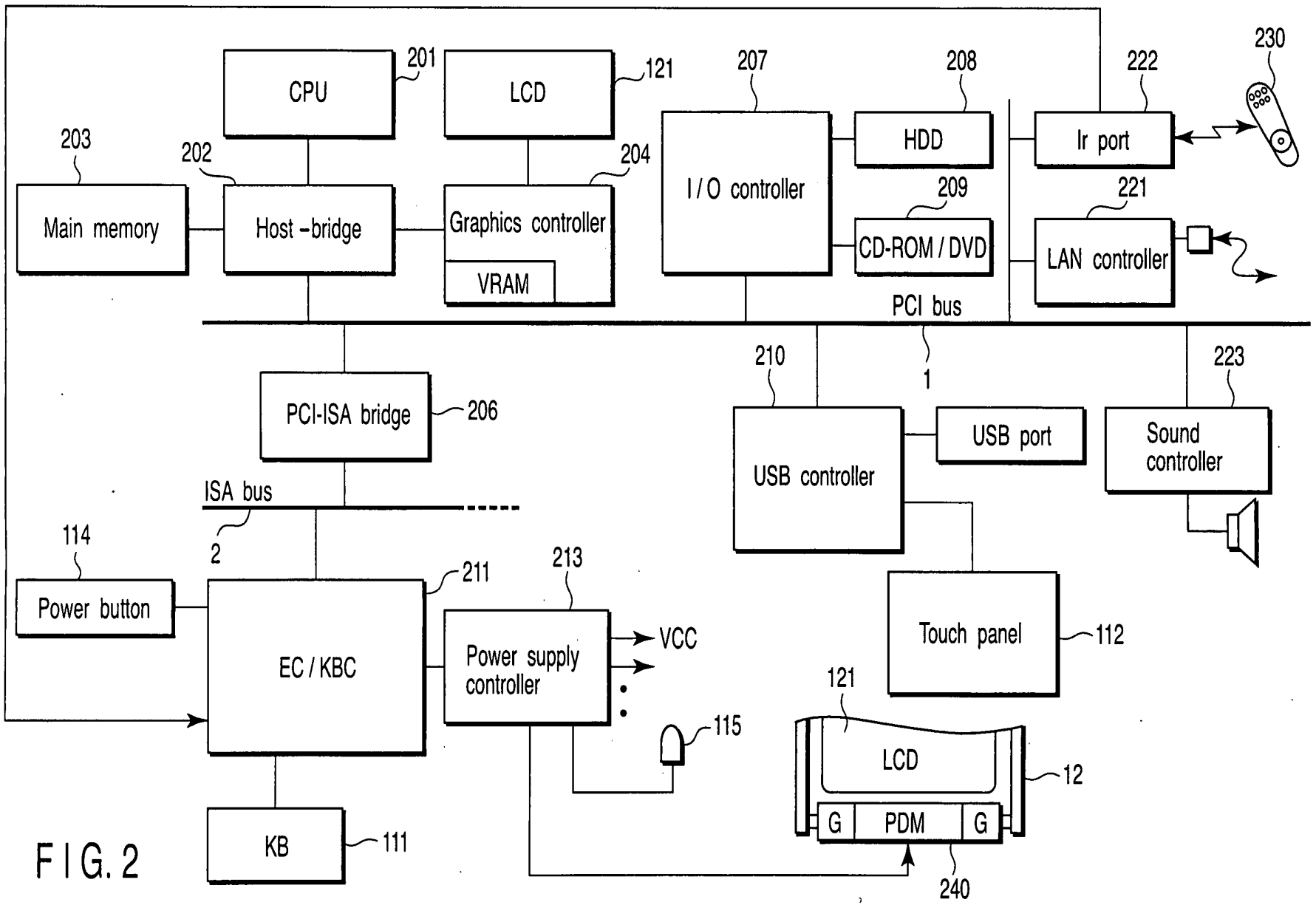
CPU
201
LCD
121
207
208
222
230
203
202
204
HDD
Ir port
Main memory
Host -bridge
Graphics controller
I / O controller
209
221
VRAM
CD-ROM / DVD
LAN controller
PCI bus
210
1
223
PCI-ISA bridge
206
USB port
Sound controller
USB controller
ISA bus
2
114
213
211
Power button
EC / KBC
Power supply controller
VCC
Touch panel
112
121
115
LCD
12
G
PDM
G
KB
111
240

FIG. 2

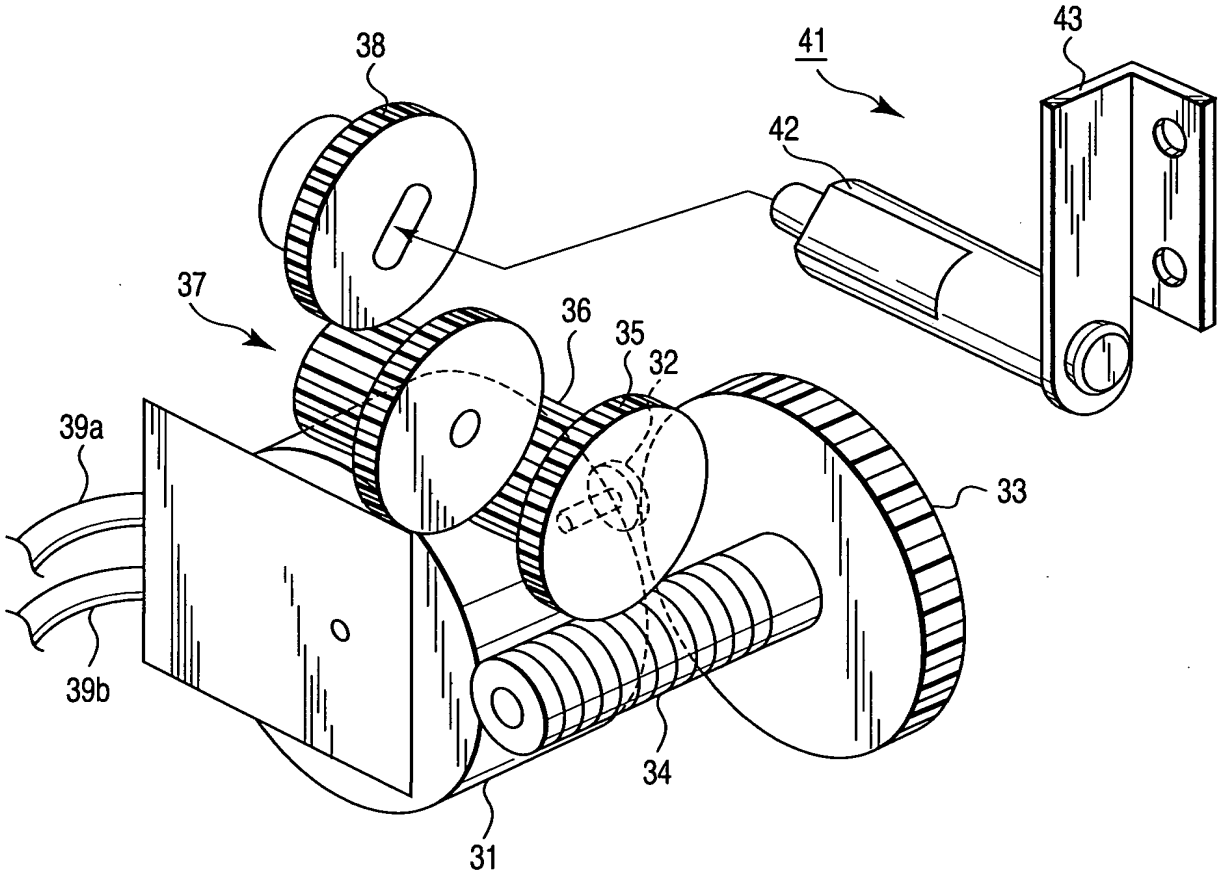

FIG. 4

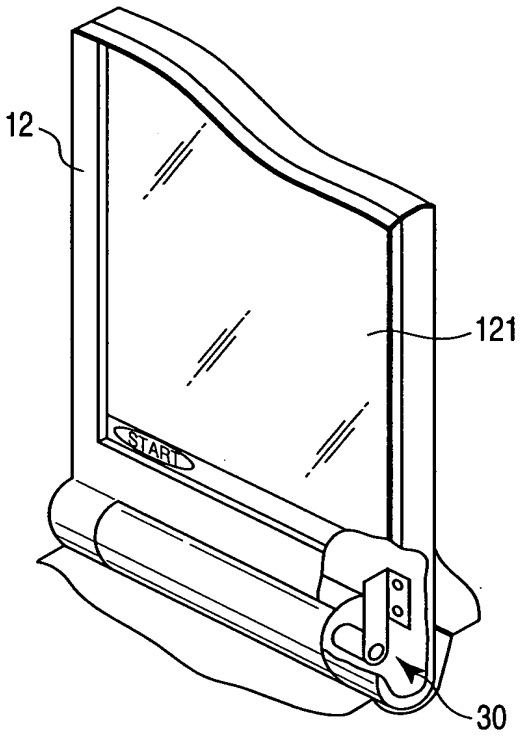

FIG. 3

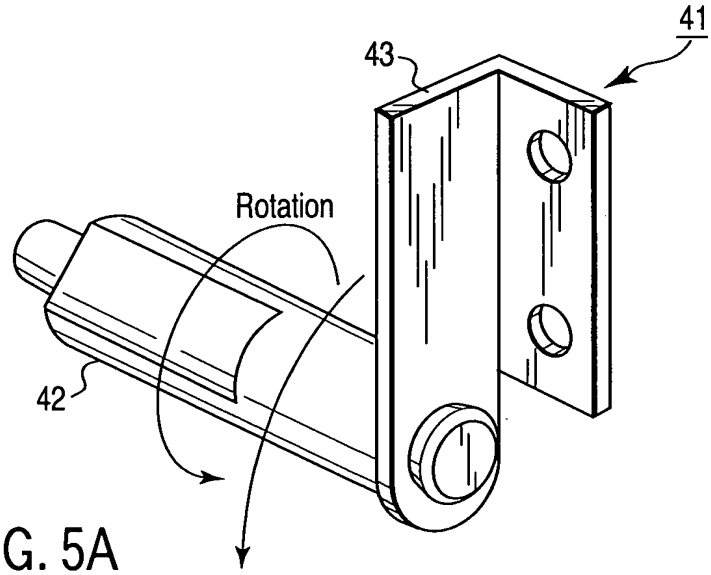

FIG. 5A

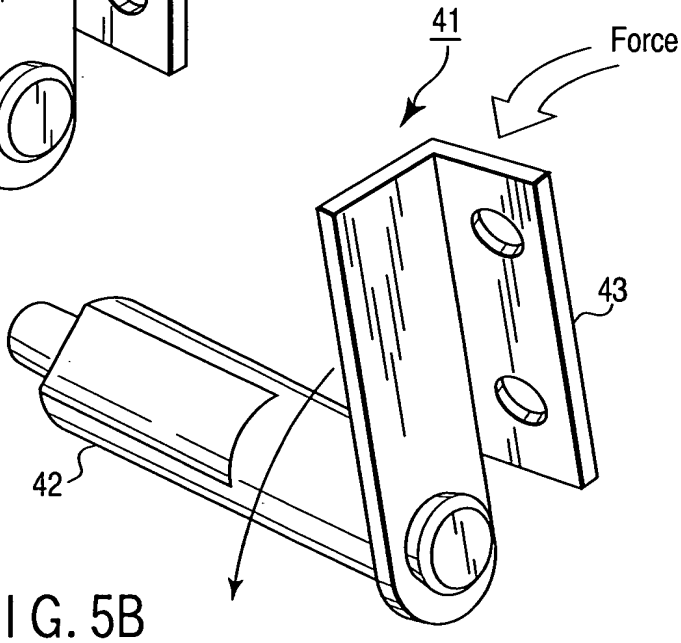

FIG. 5B

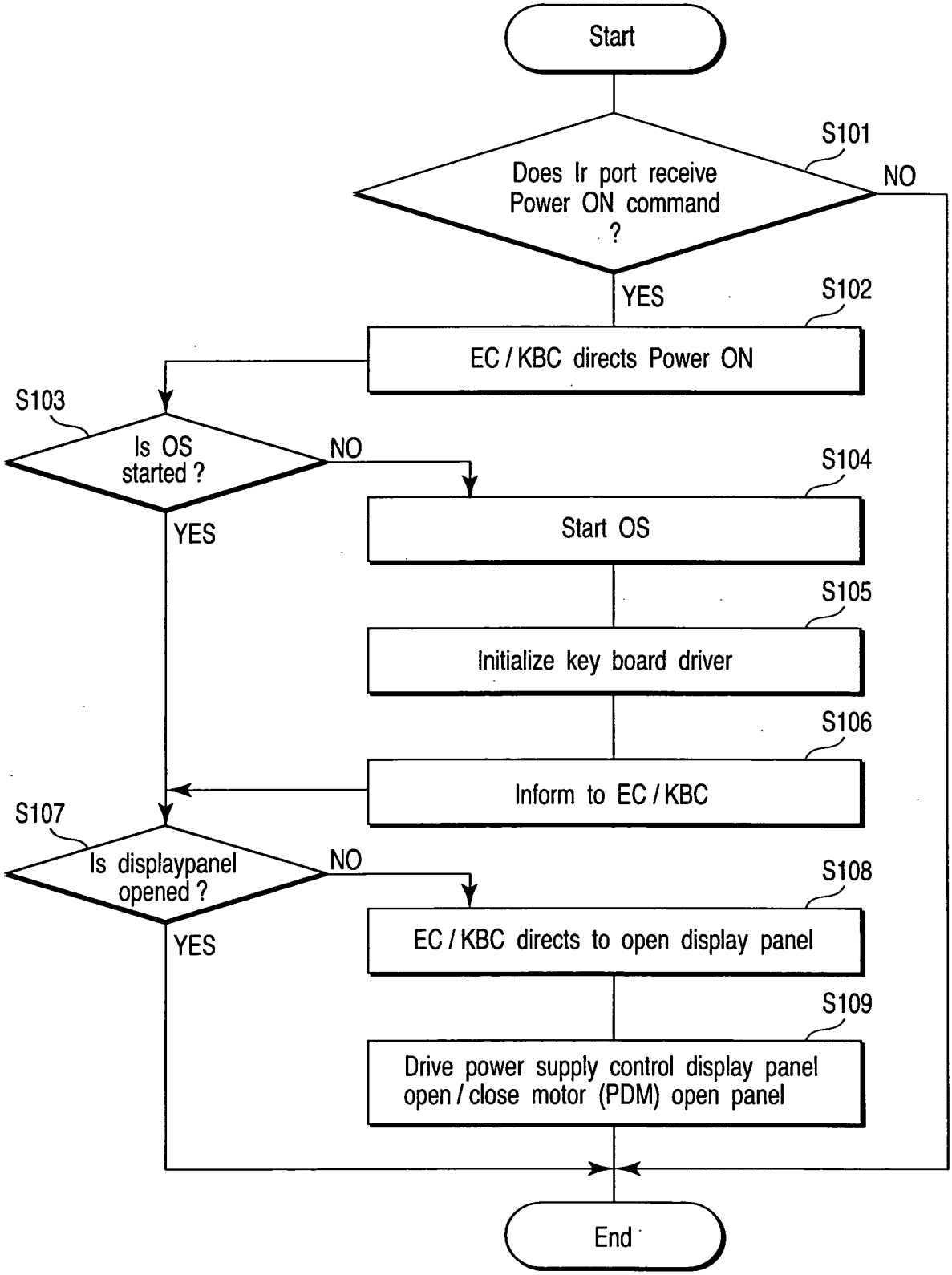
Start
S101
Does Ir port receive Power ON command ?
NO
YES
S102
EC / KBC directs Power ON
S103
Is OS started ?
NO
YES
S104
Start OS
S105
Initialize key board driver
S106
Inform to EC / KBC
S107
Is displaypanel opened ?
NO
YES
S108
EC / KBC directs to open display panel
S109
Drive power supply control display panel open / close motor (PDM) open panel
End

FIG. 6

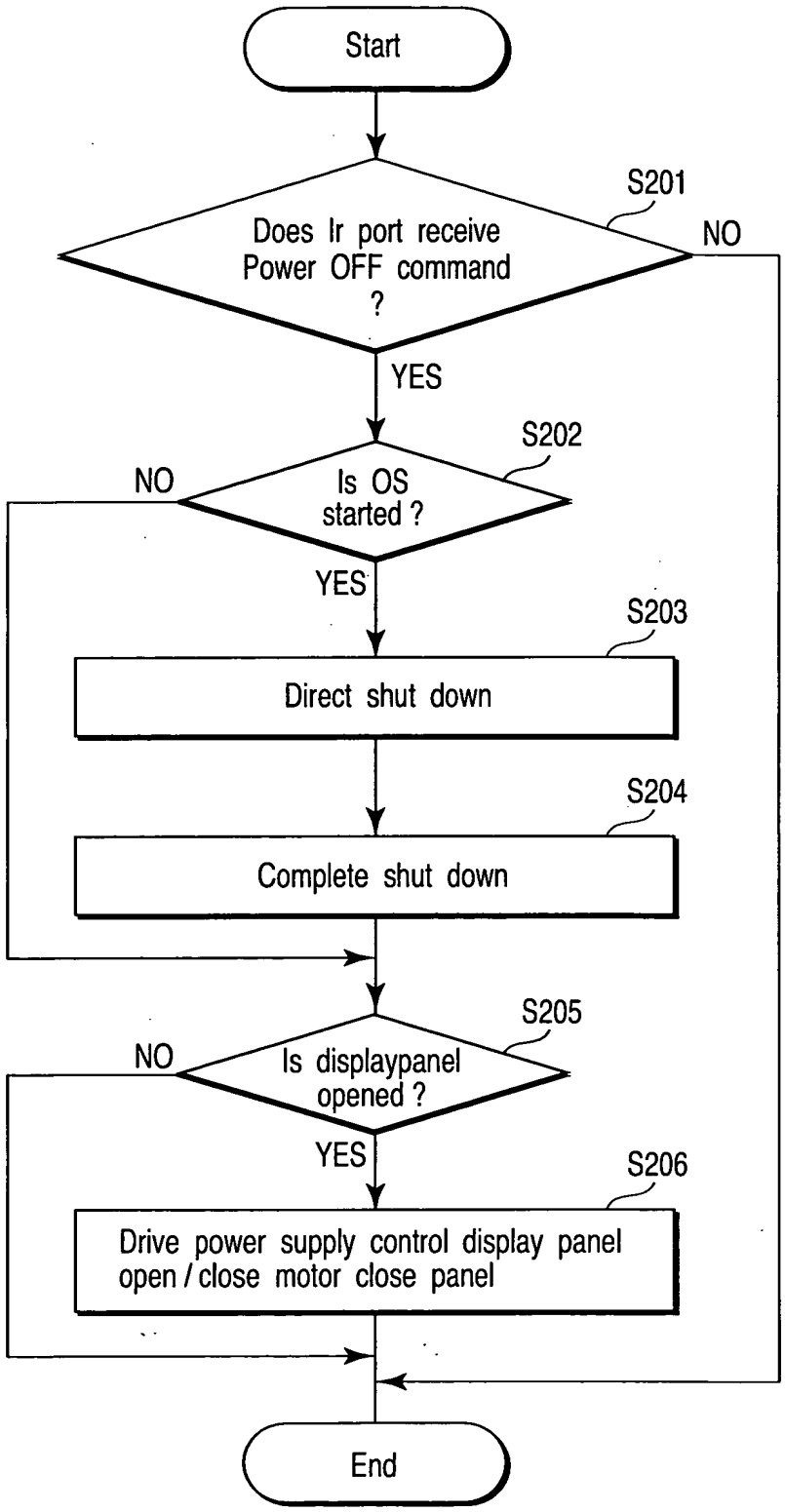
Start
S201
Does Ir port receive Power OFF command ?
NO
YES
S202
NO
Is OS started ?
YES
S203
Direct shut down
S204
Complete shut down
S205
NO
Is displaypanel opened ?
YES
S206
Drive power supply control display panel open / close motor close panel
End

FIG. 7

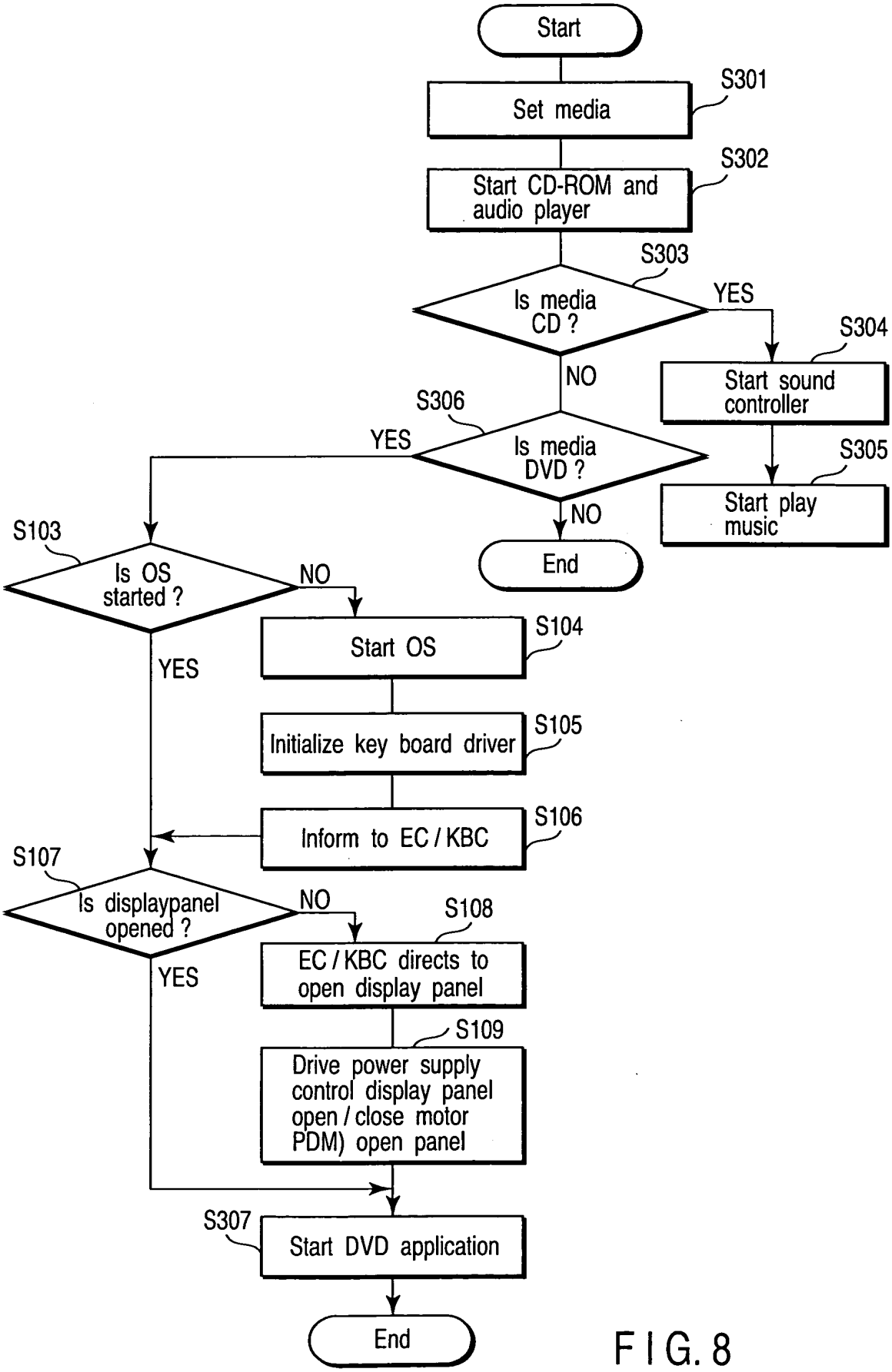
Start
S301
Set media
S302
Start CD-ROM and audio player
S303
Is media CD ?
YES
S304
Start sound controller
NO
S306
Is media DVD ?
YES
S305
Start play music
NO
End
S103
Is OS started ?
NO
Start OS
S104
YES
Initialize key board driver
S105
Inform to EC / KBC
S106
S107
Is displaypanel opened ?
NO
S108
EC / KBC directs to open display panel
YES
S109
Drive power supply control display panel open / close motor PDM) open panel
S307
Start DVD application
End

FIG. 8

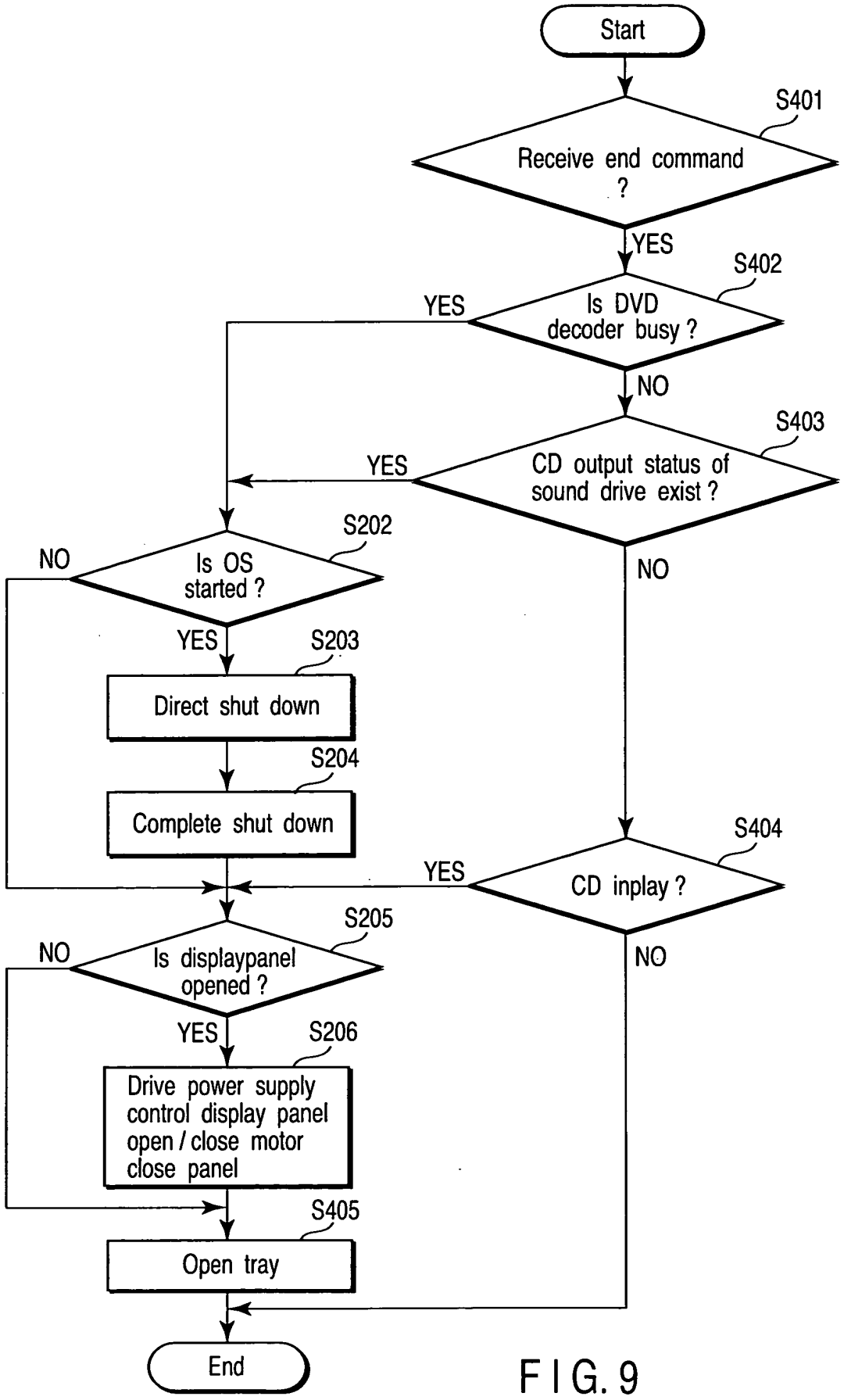
Start
S401
Receive end command ?
YES
S402
Is DVD decoder busy ?
YES
NO
S403
CD output status of sound drive exist ?
YES
NO
S202
Is OS started ?
NO
YES
S203
Direct shut down
S204
Complete shut down
S404
CD inplay ?
YES
NO
S205
Is displaypanel opened ?
NO
YES
S206
Drive power supply control display panel open / close motor close panel
S405
Open tray
End

FIG. 9

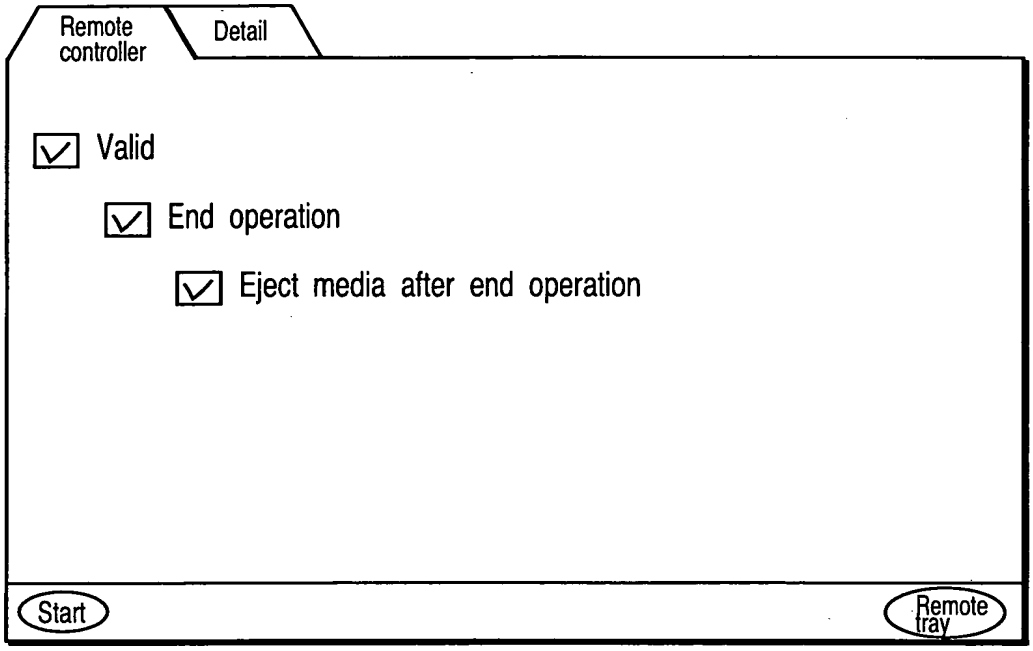

FIG. 10A

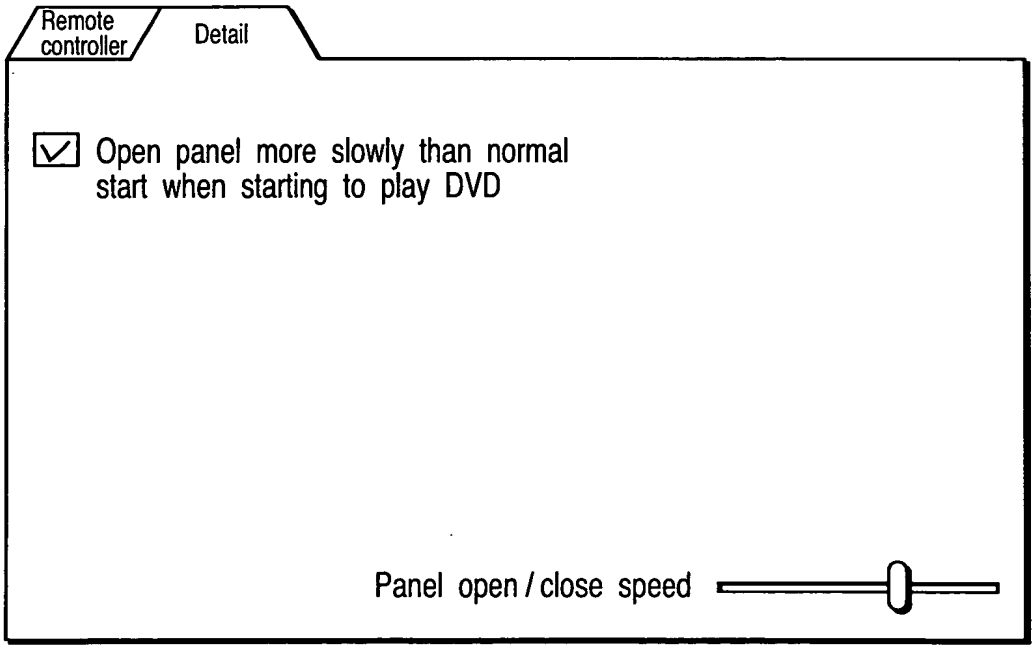

FIG. 10B